

## PINEDA ME08 Activity 01

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker run ubuntu /bin/echo 'Hello world'
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
345e3491a907: Pull complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
Digest: sha256:adf73ca014822ad8237623d388cedf4d5346aa72c270c5acc01431cc93e18e2d
Status: Downloaded newer image for ubuntu:latest
'Hello world'
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	7e0aa2d69a15	7 weeks ago	72.7MB

\*I ran one part of the exercises slide before starting this activity which resulted in the image displayed in docker images

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker search ubuntu
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
ubuntu	Ubuntu is a Debian-based Linux operating sys...	12371	[OK]	
dorowu/ubuntu-desktop-lxde-vnc	Docker image to provide HTML5 VNC interface ...	539		[OK]
webspheer-liberty	WebSphere Liberty multi-architecture images ...	273	[OK]	
rastasheep/ubuntu-sshd	Dockerized SSH service, built on top of offi...	253		[OK]
consol/ubuntu-xfce-vnc	Ubuntu container with "headless" VNC session...	241		[OK]
ubuntu-upstart	Upstart is an event-based replacement for th...	110	[OK]	
landinternet/ubuntu-16-nginx-php-phpmyadmin-mysql-5	ubuntu-16-nginx-php-phpmyadmin-mysql-5	50		[OK]
open-liberty	Open Liberty multi-architecture images based...	46	[OK]	
ubuntu-debootstrap	debootstrap --variant=minbase --components=m...	44	[OK]	
ij386/ubuntu	Ubuntu is a Debian-based Linux operating sys...	25		
landinternet/ubuntu-16-apache-php-5.6	ubuntu-16-apache-php-5.6	14		[OK]
landinternet/ubuntu-16-apache-php-7.0	ubuntu-16-apache-php-7.0	13		[OK]
landinternet/ubuntu-16-nginx-php-phpmyadmin-mariadb-10	ubuntu-16-nginx-php-phpmyadmin-mariadb-10	11		[OK]
landinternet/ubuntu-16-nginx-php-5.6-wordpress-4	ubuntu-16-nginx-php-5.6-wordpress-4	9		[OK]
landinternet/ubuntu-16-nginx-php-5.6	ubuntu-16-nginx-php-5.6	8		[OK]
darksheer/ubuntu	Base Ubuntu Image -- Updated hourly	5		[OK]
landinternet/ubuntu-16-nginx-php-7.0	ubuntu-16-nginx-php-7.0	4		[OK]
pivotaldata/ubuntu	A quick freshening-up of the base Ubuntu doc...	4		
landinternet/ubuntu-16-nginx-php-7.1-wordpress-4	ubuntu-16-nginx-php-7.1-wordpress-4	3		[OK]
pivotaldata/ubuntu16.04-build	Ubuntu 16.04 image for GPDB compilation	2		
landinternet/ubuntu-16-php-7.1	ubuntu-16-php-7.1	1		[OK]
pivotaldata/ubuntu-gpdb-dev	Ubuntu images for GPDB development	1		
landinternet/ubuntu-16-sshd	ubuntu-16-sshd	1		[OK]
smartentry/ubuntu	ubuntu with smartentry	1		[OK]
pivotaldata/ubuntu16.04-test	Ubuntu 16.04 image for GPDB testing	0		

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker pull ubuntu:16.04
16.04: Pulling from library/ubuntu
80bce60046fa: Pull complete
55a738a15540: Pull complete
e19cf0706c62: Pull complete
de4cdd6c27d1: Pull complete
Digest: sha256:9775877f420d453ef790e6832d77630a49b32a92b7bedf330adf4d8669f6600e
Status: Downloaded newer image for ubuntu:16.04
docker.io/library/ubuntu:16.04
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker pull ubuntu:16.10
16.10: Pulling from library/ubuntu
dca7be20e546: Pull complete
40bca54f5968: Pull complete
61464f23390e: Pull complete
d99f0bcd5dc8: Pull complete
120db6f90955: Pull complete
Digest: sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Status: Downloaded newer image for ubuntu:16.10
docker.io/library/ubuntu:16.10
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	16.04	9ff95a467e45	3 weeks ago	135MB
ubuntu	latest	7e0aa2d69a15	7 weeks ago	72.7MB
ubuntu	16.10	7d3f705d307c	3 years ago	107MB

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker rmi 7d3f705d307c
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e
```

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REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	16.04	9ff95a467e45	3 weeks ago	135MB
ubuntu	latest	7e0aa2d69a15	7 weeks ago	72.7MB

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker rmi 7e0aa2d69a15
Untagged: ubuntu:latest
Untagged: ubuntu@sha256:adf73ca014822ad8237623d388cedf4d5346aa72c270c5acc01431cc93e18e2d
Deleted: sha256:7e0aa2d69a153215c790488ed1fcec162015e973e49962d438e18249d16fa9bd
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbdbb8dec29c987439
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	16.04	9ff95a467e45	3 weeks ago	135MB

\*removed previously mentioned image

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker run ubuntu:16.04 /bin/echo 'Hello world!'
'Hello world!'
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
3f24c251ed7d	ubuntu:16.04	"/bin/echo 'Hello wo..."	32 seconds ago	Exited (0)	31 seconds ago	xenodochial_easley

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker run ubuntu:16.04 /bin/bash
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
71488c27b161	ubuntu:16.04	"/bin/bash"	4 seconds ago	Exited (0)	3 seconds ago	relaxed_payne
3f24c251ed7d	ubuntu:16.04	"/bin/echo 'Hello wo..."	About a minute ago	Exited (0)	About a minute ago	xenodochial_easley

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker run -it ubuntu:16.04 /bin/bash
```

```
root@dfd046392258:/# pwd
/
root@dfd046392258:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run/sbin srv sys tmp usr var
root@dfd046392258:/# exit
exit
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker run -d ubuntu:16.04 /bin/sleep 3600
954f942bf5bf403da5b56c8918c31b7cdea4fb02d734e2d695cba06452e9e759
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
954f942bf5bf	ubuntu:16.04	"/bin/sleep 3600"	27 seconds ago	Up 26 seconds		nifty_colden

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
954f942bf5bf	ubuntu:16.04	"/bin/sleep 3600"	27 seconds ago	Up 26 seconds		nifty_colden

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker exec -it be7 /bin/bash
Error: No such container: be7
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker exec -it 954f942bf5bf /bin/bash
root@954f942bf5bf:/# ps aux
```

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.0	0.0	4372	704	?	Ss	15:18	0:00	/bin/sleep 3600
root	8	0.2	0.0	18236	3388	pts/0	Ss	15:21	0:00	/bin/bash
root	18	0.0	0.0	34420	2852	pts/0	R+	15:21	0:00	ps aux

```
root@954f942bf5bf:/# exit
exit
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
954f942bf5bf	ubuntu:16.04	"/bin/sleep 3600"	3 minutes ago	Up 3 minutes		nifty_colden

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker stop 954f
954f
```

```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
954f942bf5bf	ubuntu:16.04	"/bin/sleep 3600"	4 minutes ago	Exited (137)	5 seconds ago	nifty_colden
dfd046392258	ubuntu:16.04	"/bin/bash"	5 minutes ago	Exited (0)	5 minutes ago	hungry_brahmagupta
71488c27b161	ubuntu:16.04	"/bin/bash"	6 minutes ago	Exited (0)	6 minutes ago	relaxed_payne
3f24c251ed7d	ubuntu:16.04	"/bin/echo 'Hello wo..."	8 minutes ago	Exited (0)	8 minutes ago	xenodochial_easley

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```
D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker rm 954f
954f

D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
'Hello and goodbye!'

D:\UserFolder\Documents\20-21-2ndSem\CoE 197S\Repositories\docker-training>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
dfd046392258	ubuntu:16.04	"/bin/bash"	10 minutes ago	Exited (0) 10 minutes ago		hungry_brahmagupta
71488c27b161	ubuntu:16.04	"/bin/bash"	11 minutes ago	Exited (0) 11 minutes ago		relaxed_payne
3f24c251ed7d	ubuntu:16.04	"/bin/echo 'Hello wo..."	13 minutes ago	Exited (0) 13 minutes ago		xenodochial_easley

<end of exercise 1>